

Therapeutic Use of Cis-Element Decoys In Vivo

ABSTRACT OF THE DISCLOSURE

5 The invention provides for the use of oligodeoxynucleotide decoys for the prophylactic or therapeutic treatment of diseases associated with the binding of endogenous transcription factors to genes involved in cell growth, differentiation and signalling or to viral genes. By inhibiting endogenous trans-activating factors from binding transcription regulatory regions, the decoys modulate gene expression and
10 thereby regulating pathological processes including inflammation, intimal hyperplasia, angiogenesis, neoplasia, immune responses and viral infection. The decoys are administered in amounts and under conditions whereby binding of the endogenous transcription factor to the endogenous gene is effectively competitively inhibited without significant host toxicity. The subject compositions comprise the decoy
15 molecules in a context which provides for pharmacokinetics sufficient for effective therapeutic use.